

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/701,536 A  
Source: 1FW16  
Date Processed by STIC: 10/15/04

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/701,536A

DATE: 10/15/2004

TIME: 10:50:37

Input Set : A:\64907 repl.seq.txt

Output Set: N:\CRF4\10152004\I701536A.raw

3 <110> APPLICANT: The Government of the United States of America as  
 4 represented by the Secretary of the Department of Health and  
 5 Human Services, Centers for Disease Control and Prevention  
 6 Chang, Gwong-Jen J.  
 8 <120> TITLE OF INVENTION: NUCLEIC ACID VACCINES FOR PREVENTION OF FLAVIVIRUS INFECTION  
 10 <130> FILE REFERENCE: 6395-64907-01  
 12 <140> CURRENT APPLICATION NUMBER: US 09/701,536A  
 C--> 13 <141> CURRENT FILING DATE: 2001-06-18  
 15 <150> PRIOR APPLICATION NUMBER: US 60/087,908  
 16 <151> PRIOR FILING DATE: 1998-06-04  
 18 <150> PRIOR APPLICATION NUMBER: PCT/US99/12298  
 19 <151> PRIOR FILING DATE: 1999-06-03  
 21 <160> NUMBER OF SEQ ID NOS: 17  
 23 <170> SOFTWARE: PatentIn version 3.3  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 48  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Artificial Sequence  
 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: Synthetic sequence  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: CDS  
 36 <222> LOCATION: (25)..(48)  
 38 <400> SEQUENCE: 1  
 39 cttggtacct cttagagccgc cgcc atg ggc aga aag caa aac aaa aga 48  
 40 Met Gly Arg Lys Gln Asn Lys Arg  
 41 1 5  
 44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 8  
 46 <212> TYPE: PRT  
 47 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Synthetic Construct  
 52 <400> SEQUENCE: 2  
 54 Met Gly Arg Lys Gln Asn Lys Arg  
 55 1 5  
 58 <210> SEQ ID NO: 3  
 59 <211> LENGTH: 50  
 60 <212> TYPE: DNA  
 61 <213> ORGANISM: Artificial Sequence  
 63 <220> FEATURE:  
 64 <223> OTHER INFORMATION: Synthetic sequence  
 66 <400> SEQUENCE: 3

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71 <211> LENGTH: 27
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: synthetic sequence
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (1)..(27)
82 <223> OTHER INFORMATION: reverse complement of positions 24-50 of SEQ ID NO: 3
84 <220> FEATURE:
85 <221> NAME/KEY: CDS
86 <222> LOCATION: (1)..(27)
88 <400> SEQUENCE: 4
89 ttc tta gcg acc aat gtg cat gct taa      27
90 Phe Leu Ala Thr Asn Val His Ala
91 1      5
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 8
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial sequence
99 <220> FEATURE:
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102 <400> SEQUENCE: 5
104 Phe Leu Ala Thr Asn Val His Ala
105 1      5
108 <210> SEQ ID NO: 6
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110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial sequence
113 <220> FEATURE:
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116 <400> SEQUENCE: 6
117 tatataa      7
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 77
122 <212> TYPE: DNA
123 <213> ORGANISM: artificial sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Multicloning site
128 <400> SEQUENCE: 7
129 ggtaccgagc tcggatccag tagtaacggc cgccagtgtg ctggaattct gcagatatcc      60
131 atcacactgg cgccgc      77
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 48
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:

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140 <223> OTHER INFORMATION: Synthetic sequence  
 143 <220> FEATURE:  
 144 <221> NAME/KEY: CDS  
 145 <222> LOCATION: (25)..(48)  
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 149 Met Arg Ser His Asp Val Leu Thr  
 150 1 5  
 153 <210> SEQ ID NO: 9  
 154 <211> LENGTH: 8  
 155 <212> TYPE: PRT  
 156 <213> ORGANISM: Artificial Sequence  
 158 <220> FEATURE:  
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 164 1 5  
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 168 <211> LENGTH: 41  
 169 <212> TYPE: DNA  
 170 <213> ORGANISM: Artificial Sequence  
 172 <220> FEATURE:  
 173 <223> OTHER INFORMATION: Synthetic sequence  
 175 <400> SEQUENCE: 10  
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 179 <210> SEQ ID NO: 11  
 180 <211> LENGTH: 24  
 181 <212> TYPE: DNA  
 182 <213> ORGANISM: artificial sequence  
 184 <220> FEATURE:  
 185 <223> OTHER INFORMATION: synthetic sequence  
 188 <220> FEATURE:  
 189 <221> NAME/KEY: misc\_feature  
 190 <222> LOCATION: (1)..(24)  
 191 <223> OTHER INFORMATION: reverse complement of positions 18 through 41 of SEQ ID NO:  
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 193 <220> FEATURE:  
 194 <221> NAME/KEY: CDS  
 195 <222> LOCATION: (1)..(24)  
 197 <400> SEQUENCE: 11  
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 200 1 5  
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 204 <211> LENGTH: 7  
 205 <212> TYPE: PRT  
 206 <213> ORGANISM: artificial sequence  
 208 <220> FEATURE:  
 209 <223> OTHER INFORMATION: Synthetic Construct  
 211 <400> SEQUENCE: 12

## RAW SEQUENCE LISTING

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214 1 5

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219 &lt;212&gt; TYPE: DNA

220 &lt;213&gt; ORGANISM: Artificial Sequence

222 &lt;220&gt; FEATURE:

223 &lt;223&gt; OTHER INFORMATION: Synthetic sequence

226 &lt;220&gt; FEATURE:

227 &lt;221&gt; NAME/KEY: CDS

228 &lt;222&gt; LOCATION: (25)..(54)

230 &lt;400&gt; SEQUENCE: 13

231 cttgttacct ctagagccgc cgcc atg tct aaa aaa aga gga ggg acc aga 51

232 Met Ser Lys Lys Arg Gly Gly Thr Arg

233 1 5

235 tcg 54

236 Ser

237 10

240 &lt;210&gt; SEQ ID NO: 14

241 &lt;211&gt; LENGTH: 10

242 &lt;212&gt; TYPE: PRT

243 &lt;213&gt; ORGANISM: Artificial Sequence

245 &lt;220&gt; FEATURE:

246 &lt;223&gt; OTHER INFORMATION: Synthetic Construct

248 &lt;400&gt; SEQUENCE: 14

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251 1 5 10

254 &lt;210&gt; SEQ ID NO: 15

255 &lt;211&gt; LENGTH: 38

256 &lt;212&gt; TYPE: DNA

257 &lt;213&gt; ORGANISM: Artificial Sequence

259 &lt;220&gt; FEATURE:

260 &lt;223&gt; OTHER INFORMATION: Synthetic sequence

262 &lt;400&gt; SEQUENCE: 15

263 ttttcttttg cggccgctta ggcttgacg ctggttgc 38

266 &lt;210&gt; SEQ ID NO: 16

267 &lt;211&gt; LENGTH: 21

268 &lt;212&gt; TYPE: DNA

269 &lt;213&gt; ORGANISM: Artificial sequence

271 &lt;220&gt; FEATURE:

272 &lt;223&gt; OTHER INFORMATION: Synthetic sequence

275 &lt;220&gt; FEATURE:

276 &lt;221&gt; NAME/KEY: misc\_feature

277 &lt;222&gt; LOCATION: (1)..(21)

278 &lt;223&gt; OTHER INFORMATION: Reverse complement of positions 18 through 38 of SEQ ID NO:

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280 &lt;220&gt; FEATURE:

281 &lt;221&gt; NAME/KEY: CDS

282 &lt;222&gt; LOCATION: (1)..(21)

284 &lt;400&gt; SEQUENCE: 16

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Input Set : A:\64907 repl.seq.txt

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286 Ala Thr Ser Val Gln Ala
287 1                    5
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292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic Construct
298 <400> SEQUENCE: 17
300 Ala Thr Ser Val Gln Ala
301 1                    5
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**VERIFICATION SUMMARY**

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Input Set : A:\64907 repl.seq.txt

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date